

FROM : LITECONTROL C-8

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2003.10-21

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#647 P.01/05

FAX TO: Tom Folsom

Katie Group, Inc.

5 pages total

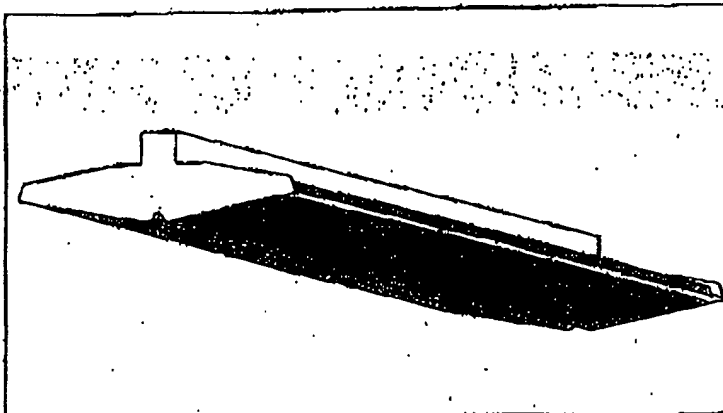
FINELITE

PRELIMINARY
PATENT PENDING

Series 15 - Technical Sheet

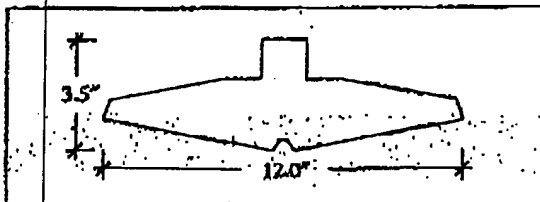
Finelite Series 15 represents an advancement in the art of indirect lighting. The slim, attractive profile delivers unsurpassed performance in low ceiling applications. Available in 1 or 2 T8, T5 or T5HO lamp cross sections, and 4' or 8' lengths.

Series 15 combines a unique open cavity, double diffuser optical design (Patent Pending) with 96% reflective white paint in order to maximize fixture efficiency and performance.



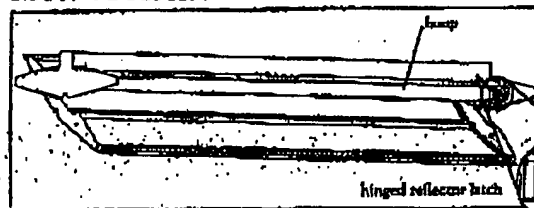
The unique optical design generates high performance in low ceiling areas.

DIMENSIONS



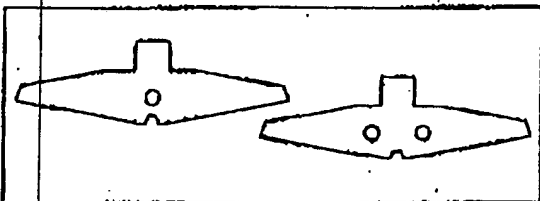
The height of the fixture body is 3.5", width 12.0".

REFLECTOR ASSEMBLY



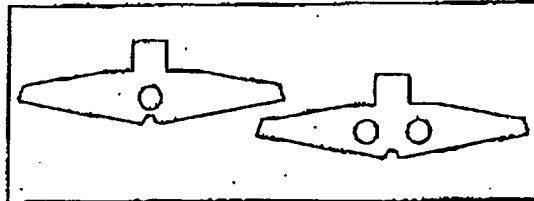
Special latch allows hinged reflector assembly to rotate or be removed for easy maintenance and lamp access.

T5 / T5HO LAMPS



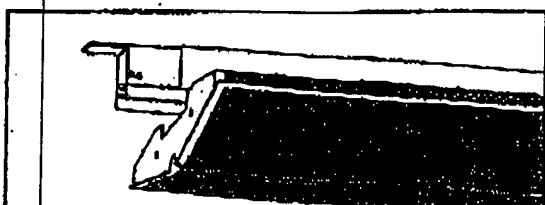
1 or 2 T5 or T5HO lamps.

T8 LAMPS



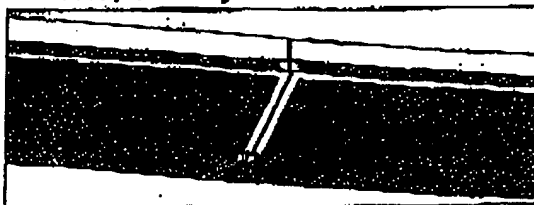
1 or 2 T8 lamps.

DIE-FORMED JOINER PLATE



Die-formed aligner plate comes factory installed for smooth joints. Plug-together wiring ensures electrical connections are right every time.

STRONG, TIGHT JOINTS



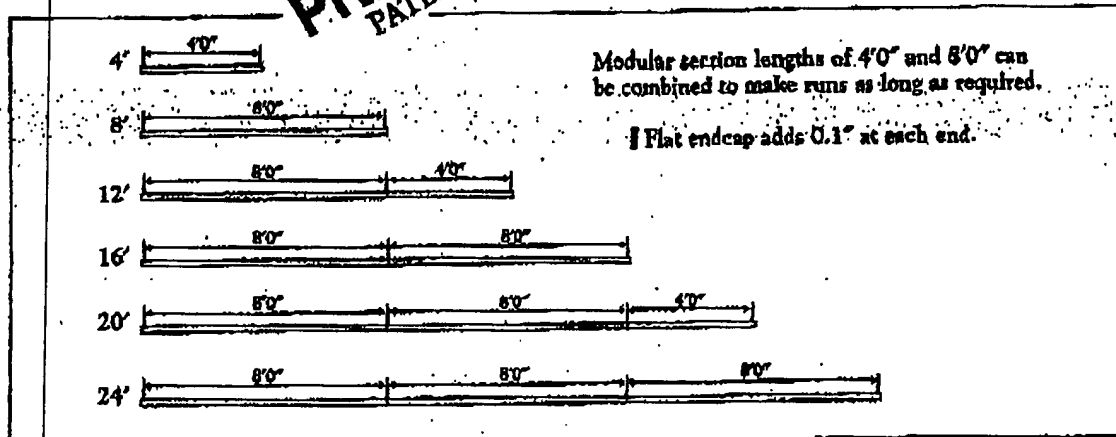
Fixtures slide together tightly and die-formed internal aligner plate ensures strong joints with no light leaks.

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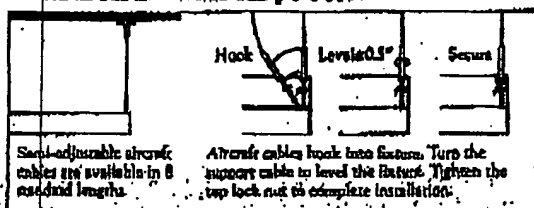
FINELITE

PRELIMINARY
PATENT PENDING

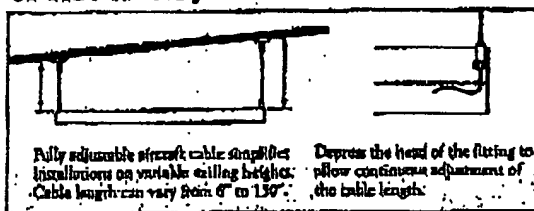
Series 15 - Technical Sheet



STANDARD SEMI-ADJUSTABLE SUPPORT



OPTIONAL ADJUSTABLE SUPPORT



SPECIFICATIONS

CONSTRUCTION: 18 gauge die-formed steel body. All components hard coated to tolerances of 0.003".

Die-formed 0.062" perforations cover the surface of the steel downlight shielding.

ENDCAPS: (FE) Flat Endcap standard, die-formed steel, painted to match fixture, adds 0.1" at each end. No exposed fasteners, holes or knockouts.

OPTICAL SYSTEM: Finelite innovation Series 15 open cavity double diffuser optical system with 96% reflective white paint, PATENT PENDING.

REFLECTORS: (96W) Standard—96 White painted high reflectance reflectors.

ELECTRICAL: 120 or 277 volt prewired. Fixture and electrical components UL/C-UL listed and fixture will bear UL/C-UL label. Optional Adders: 347 volt prewired, dual circuit, emergency battery packs.

LAMPING: 1 or 2 T8, T5 or T5HO cross sections.

BALLAST: Electronic low profile instant start ballast <10%THD standard. Optional Adders: Rapid Start, Dimming ballast (controls by others), low profile emergency battery packs. Consult factory.

MOUNTING OPTIONS: Semi-adjustable aircraft cable (AC) ± 0.5" in lengths of 3", 6", 9", 12", 15", 18", 21", 24", 27", 30", 36". Order length, e.g. AC 6". Optional Adders: Fully adjustable aircraft cable (FA) in lengths up to 150". Optional Surface Mount also available. Consult Factory.

SUPPORT CABLES: Stainless steel with plated hardware.

FEEDS: 18 gauge straight cond. 14 gauge feed cord (used when fixture current exceeds 6 amps. Optional Adders: Coil Cord Feed).

FINISHES: Finelite brake white standard. (Note this finish is 96% reflective.) 185 colors available from Tiger Drylac's RAL color chart for a nominal adder.

LENGTHS: 4' and 8' section lengths can be combined to make longer runs.

WEIGHT: Fixture weight - 2.0 lb/ft.

ORDERING INFORMATION

(2) - 815 - 32' - 1T5HO - 8C - 277 - AC 6"

Quantity

Finelite Series 15

Run length (4', 8' multiples standard)

Number of lamps in cross section (1, 2 T8, T5, or T5HO)

Circuiting (SC-single circuit, DC-dual circuit)

Voltage (120, 277, 347 Volt)

Mounting (AC/FA)

FROM: ELITECONTROL C-S

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FINELITE

Series 15 Photometric Reports

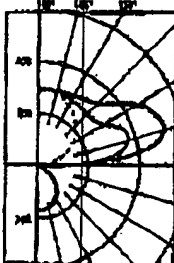
Product Photometry and lay files are also available online at www.finelite.com.
For layouts or additional photometry, contact your local representative or the factory.

S15: 1 T8



EFFICIENCY = 73.4%

80% Uplight
20% Downlight
(SL Report 1805)



CANDLE DISTRIBUTION		PLAN	
0.0	22.5	45.0	67.5
0.5	180	180	180
1.0	150	150	150
1.5	120	120	120
2.0	90	90	90
2.5	60	60	60
3.0	30	30	30
3.5	0	0	0
4.0	30	30	30
4.5	60	60	60
5.0	90	90	90
5.5	120	120	120
6.0	150	150	150
6.5	180	180	180
7.0	150	150	150
7.5	120	120	120
8.0	90	90	90
8.5	60	60	60
9.0	30	30	30
9.5	0	0	0
10.0	30	30	30
10.5	60	60	60
11.0	90	90	90
11.5	120	120	120
12.0	150	150	150
12.5	180	180	180
13.0	150	150	150
13.5	120	120	120
14.0	90	90	90
14.5	60	60	60
15.0	30	30	30
15.5	0	0	0
16.0	30	30	30
16.5	60	60	60
17.0	90	90	90
17.5	120	120	120
18.0	150	150	150
18.5	180	180	180
19.0	150	150	150
19.5	120	120	120
20.0	90	90	90
20.5	60	60	60
21.0	30	30	30
21.5	0	0	0
22.0	30	30	30
22.5	60	60	60
23.0	90	90	90
23.5	120	120	120
24.0	150	150	150
24.5	180	180	180
25.0	150	150	150
25.5	120	120	120
26.0	90	90	90
26.5	60	60	60
27.0	30	30	30
27.5	0	0	0
28.0	30	30	30
28.5	60	60	60
29.0	90	90	90
29.5	120	120	120
30.0	150	150	150
30.5	180	180	180
31.0	150	150	150
31.5	120	120	120
32.0	90	90	90
32.5	60	60	60
33.0	30	30	30
33.5	0	0	0
34.0	30	30	30
34.5	60	60	60
35.0	90	90	90
35.5	120	120	120
36.0	150	150	150
36.5	180	180	180
37.0	150	150	150
37.5	120	120	120
38.0	90	90	90
38.5	60	60	60
39.0	30	30	30
39.5	0	0	0
40.0	30	30	30
40.5	60	60	60
41.0	90	90	90
41.5	120	120	120
42.0	150	150	150
42.5	180	180	180
43.0	150	150	150
43.5	120	120	120
44.0	90	90	90
44.5	60	60	60
45.0	30	30	30
45.5	0	0	0
46.0	30	30	30
46.5	60	60	60
47.0	90	90	90
47.5	120	120	120
48.0	150	150	150
48.5	180	180	180
49.0	150	150	150
49.5	120	120	120
50.0	90	90	90
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51.0	30	30	30
51.5	0	0	0
52.0	30	30	30
52.5	60	60	60
53.0	90	90	90
53.5	120	120	120
54.0	150	150	150
54.5	180	180	180
55.0	150	150	150
55.5	120	120	120
56.0	90	90	90
56.5	60	60	60
57.0	30	30	30
57.5	0	0	0
58.0	30	30	30
58.5	60	60	60
59.0	90	90	90
59.5	120	120	120
60.0	150	150	150
60.5	180	180	180
61.0	150	150	150
61.5	120	120	120
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64.5	60	60	60
65.0	90	90	90
65.5	120	120	120
66.0	150	150	150
66.5	180	180	180
67.0	150	150	150
67.5	120	120	120
68.0	90	90	90
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69.5	0	0	0
70.0	30	30	30
70.5	60	60	60
71.0	90	90	90
71.5	120	120	120
72.0	150	150	150
72.5	180	180	180
73.0	150	150	150
73.5	120	120	120
74.0	90	90	90
74.5	60	60	60
75.0	30	30	30
75.5	0	0	0
76.0	30	30	30
76.5	60	60	60
77.0	90	90	90
77.5	120	120	120
78.0	150	150	150
78.5	180	180	180
79.0	150	150	150
79.5	120	120	120
80.0	90	90	90
80.5	60	60	60
81.0	30	30	30
81.5	0	0	0
82.0	30	30	30
82.5	60	60	60
83.0	90	90	90
83.5	120	120	120
84.0	150	150	150
84.5	180	180	180
85.0	150	150	150
85.5	120	120	120
86.0	90	90	90
86.5	60	60	60
87.0	30	30	30
87.5	0	0	0
88.0	30	30	30
88.5	60	60	60
89.0	90	90	90
89.5	120	120	120
90.0	150	150	150
90.5	180	180	180
91.0	150	150	150
91.5	120	120	120
92.0	90	90	90
92.5	60	60	60
93.0	30	30	30
93.5	0	0	0
94.0	30	30	30
94.5	60	60	60
95.0	90	90	90
95.5	120	120	120
96.0	150	150	150
96.5	180	180	180
97.0	150	150	150
97.5	120	120	120
98.0	90	90	90
98.5	60	60	60
99.0	30	30	30
99.5	0	0	0
100.0	30	30	30
100.5	60	60	60
101.0	90	90	90
101.5	120	120	120
102.0	150	150	150
102.5	180	180	180
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103.5	120	120	120
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104.5	60	60	60
105.0	30	30	30
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106.0	30	30	30
106.5	60	60	60
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107.5	120	120	120
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108.5	180	180	180
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109.5	120	120	120
110.0	90	90	90
110.5	60	60	60
111.0	30	30	30
111.5	0	0	0
112.0	30	30	30
112.5	60	60	60
113.0	90	90	90
113.5	120	120	120
114.0	150	150	150
114.5	180	180	180
115.0	150	150	150
115.5	120	120	120
116.0	90	90	90
116.5	60	60	60
117.0	30	30	30
117.5	0	0	0
118.0	30	30	30
118.5	60	60	60
119.0	90	90	90
119.5	120	120	120
120.0	150	150	150
120.5	180	180	180
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121.5	120	120	120
122.0	90	90	90
122.5	60	60	60
123.0	30	30	30
123.5	0	0	0
124.0	30	30	30
124.5	60	60	60
125.0	90	90	90
125.5	120	120	120
126.0	150	150	150
126.5	180	180	180
127.0	150	150	150
127.5	120	120	120
128.0	90	90	90
128.5	60	60	60
129.0	30	30	30
129.5	0	0	0
130.0	30	30	30
130.5	60	60	60
131.0	90	90	90
131.5	120	120	120
132.0	150	150	150
132.5	180	180	180
133.0	150	150	150
133.5	120	120	120
134.0	90	90	90
134.5	60	60	60
135.0	30	30	30
135.5	0	0	0
136.0	30	30	30
136.5	60	60	60
137.0	90	90	90
137.5	120	120	120
138.0	150	150	150
138.5	180	180	180
139.0	150	150	150
139.5	120	120	120
140.0	90	90	90
140.5	60	60	60
141.0	30	30	30
141.5	0	0	0
142.0	30	30	30
142.5	60	60	60
143.0	90	90	90
143.5	120	120	120
144.0	150	150	150
144.5	180	180	180
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145.5	120	120	120
146.0	90	90	90
146.5	60	60	60
147.0	30	30	30
147.5	0	0	0
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148.5	60	60	60
149.0	90	90	90
149.5	120	120	120
150.0	150	150	150
150.5	180	180	180
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151.5	120	120	120
152.0	90	90	90
152.5	60	60	60
153.0	30	30	30
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154.5	60	60	60
155.0	90	90	90
155.5	120	120	120
156.0	150	150	150
156.5	180	180	180
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157.5	120	120	120
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159.0	30	30	30
159.5	0	0	0
160.0	30	30	30
160.5	60	60	60
161.0	90	90	90
161.5	120	120	120
162.0	150	150	150
162.5	180	180	180</

Series 16
 Photometric Template
 6" Suspension Comparison

100' x 40' Rooms / 80/50/20 Reflectances / 36' Rows									
Fixture	Ceiling Height	Suspension	Row Spacing	Uniformity	FC Avg.	Min.	Max.	Lumens/Lamp	IES #
1T8 (.88)	8'	6"	10'	6.6	35.1	26.7	41.4	2850	18056T
1T8 (1.18)	8'	6"	10'	6.6	47.2	35.9	55.8	2850	18058T
1T5HO	8'	6"	10'	5.1	71	53.8	84.5	4500	18033T
2T8 (.88)	8'	6"	10'	6.8	72.1	54.3	85.9	2850	18057T
2T8 (1.18)	8'	6"	10'	6.8	97.1	73.1	115.7	2850	18057T
2T5HO	8'	6"	10'	6.3	118	89	141	4500	18032T
1T8 (.88)	8'	6"	12'	8.7	29.7	21.6	37.8	2850	18056T
1T8 (1.18)	8'	6"	12'	8.7	40	29	50.6	2850	18056T
1T5HO	8'	6"	12'	6.8	56.7	43	76.2	4500	18033T
2T8 (.88)	8'	6"	12'	8.7	61.3	43.9	78.4	2850	18057T
2T8 (1.18)	8'	6"	12'	8.7	82.5	59.2	105.5	2850	18057T
2T5HO	8'	6"	12'	8.2	99.8	71.1	128.1	4500	18032T
1T8 (.88)	8'	6"	18'	12.7	22	14	30.8	2850	18056T
1T8 (1.18)	8'	6"	18'	12.7	29.6	18.8	41.5	2850	18056T
1T5HO	8'	6"	18'	10.1	44.4	27.7	63.4	4500	18033T
2T8 (.88)	8'	6"	18'	12.4	45.2	29.2	84.3	2850	18057T
2T8 (1.18)	8'	6"	18'	12.4	60.9	37.9	88.8	2850	18057T
2T5HO	8'	6"	18'	12	74.1	45.8	106.2	4500	18032T

NOTE: If 3,050 Lumen T8 Lamps are used, footcandle average will increase by 7%.
 Example: 1T8 (.88), 8' Ceiling Height, 10' Row Spacing, 6" Suspension w/ 3,050 Lumen Lamps = 37 Footcandles.
 1T8 (1.18), 8' Ceiling Height, 10' Row Spacing, 6" Suspension w/ 3,050 Lumen Lamps = 51 Footcandles.

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FROM LITECONTROL C-5

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#547 P.04/05

Series 15
Photometric Template
3" Suspension Comparison
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Fixture	Ceiling Height	Suspension	Row Spacing	Uniformity	FC Avg.	Max.	Min.	Lumen/Lamp	IES #
118 (.88)	8'	3"	10'	5.9	34.6	41.1	28.2	2850	18056T
118 (1.18)	8'	3"	10'	5.9	46.6	55.3	35.2	2850	18056T
218 (.88)	8'	3"	10'	4.8	71.2	84.9	53.6	2850	18057T
218 (1.18)	8'	3"	10'	4.8	85.9	114.4	72.1	2850	18057T
118 HO	8'	3"	10'	4.9	70.1	83.8	52.8	4500	18033T
218 HO	8'	3"	10'	5.1	117	140	88	4500	18032T
118 (.88)	8'	3"	12'	7.3	30.1	38	21.7	2850	18058T
118 (1.18)	8'	3"	12'	7.3	40.5	51.2	29.2	2850	18058T
218 (.88)	8'	3"	12'	5.9	61.9	78.8	44.4	2850	18057T
218 (1.18)	8'	3"	12'	5.9	83.4	106.1	59.8	2850	18057T
118 HO	8'	3"	12'	6.1	60.2	76.9	43.2	4500	18033T
218 HO	8'	3"	12'	6.3	101	129	72	4500	18032T
118 (.88)	8'	3"	16'	9.86	21.7	30.6	19.6	2850	18056T
118 (1.18)	8'	3"	16'	9.8	29.3	41.2	18.4	2850	18056T
218 (.88)	8'	3"	16'	7.3	44.6	63.7	27.5	2850	18057T
218 (1.18)	8'	3"	16'	7.3	60.1	85.6	37.1	2850	18057T
118 HO	8'	3"	16'	8.3	49.9	63	27	4500	18033T
218 HO	8'	3"	16'	8.4	73.1	105.3	44.8	4500	18032T

NOTE: If 3,050 Lumen 18 Lamps are used, footcandle average will increase by 7%.
Example: 118 (.88), 8' Ceiling Height, 10' Row Spacing, 3" Suspension w/ 3,050 Lumen Lamps = 37 Footcandles.
118 (1.18), 8' Ceiling Height, 10' Row Spacing, 3" Suspension w/ 3,050 Lumen Lamps = 50 Footcandles.